BTEC Assignment Brief

Qualification	Pearson BTEC International Level 3 Certificate in Information Technology Pearson BTEC International Level 3 Subsidiary Diploma in Information Technology Pearson BTEC International Level 3 Foundation Diploma in Information Technology Pearson BTEC International Level 3 Diploma in Information Technology Pearson BTEC International Level 3 Extended Diploma in Information Technology
Unit number and title	**Unit 21: Introduction to Artificial Intelligence (AI)**
Learning aim(s)	Learning aim A: Investigate uses and applications of AI
Assignment title	Artificial intelligence in industry
Assessor	
Issue date	
Hand in deadline	

Vocational scenario or context	You have recently started an internship at an independent software development company. The company develops bespoke apps and computer systems for other companies in a range of industries. The owner of the company is considering expanding and diversifying the company by developing artificial intelligence (AI) solutions. The owner wants you to investigate how AI is utilised in different sectors and the impacts AI can have.
Task 1	Write an evaluative report for the owner of the company in which you evaluate how and why different industries utilise AI solutions, the benefits they can bring, and any associated risks and drawbacks. Your evaluation needs to cover: • the fundamental concepts of AI and its sub-disciplines • how different types of AI are used to solve different problems in at least three different industries and sectors • the benefits that AI systems can provide for different industries • the risks and drawbacks of using AI systems • the factors that should be considered when

	developing and implementing AI solutions in organisations. You should support your evaluation with specific real-world examples. Your evaluation should be logically structured and use correct technical terms.
Checklist of evidence required	Completed report

Criteria covered by this task:	
Criteria reference	To achieve the criteria you must show that you are able to:
A.D1	Evaluate the impact of AI on different industries.
A.M1	Analyse the benefits, risks and drawbacks of AI and how they impact on different industries.
A.P1	Describe how the fundamental concepts of AI are used in industry to meet specific identified needs.
A.P2	Explain the associated benefits, risks and drawbacks of AI in different industries.

Sources of information to support you with this assignment	T. Tauli, Artificial Intelligence Basics: A Non-Technical Introduction 1st ed. Edition, Apress 2019. 978-1484250273 https://www.pearson.com/uk/web/learning-hub/non-uk-educators/online-courses-for-your-learners/digital-technologies-for-non-experts/introduction-to-artificial-intelligence-non-uk.html
Other assessment materials attached to this assignment brief	